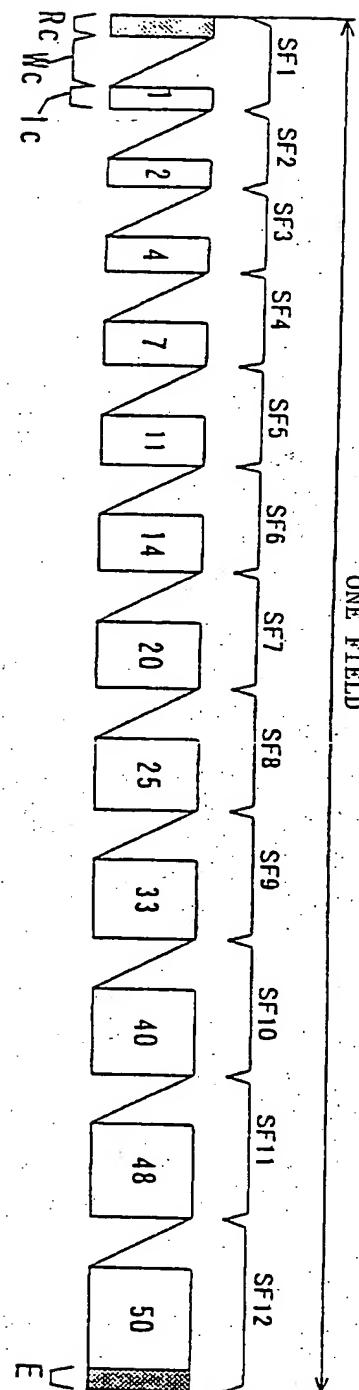


FIG. 1



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# FIG. 2

● : SELECTIVE-ERASE DISCHARGE

○ : LIGHT EMISSION SF

GRADATION	CONVERSION TABLE												LIGHT EMISSION DRIVE PATTERN											
	GD												DISPLAY BRIGHTNESS											
PDS	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
1	0000	1	0	0	0	0	0	0	0	0	0	0	●	○	○	○	○	○	○	○	○	○	○	○
2	0001	0	1	0	0	0	0	0	0	0	0	0	●	○	○	○	○	○	○	○	○	○	○	○
3	0010	0	0	1	0	0	0	0	0	0	0	0	●	○	○	○	○	○	○	○	○	○	○	○
4	0011	0	0	0	1	0	0	0	0	0	0	0	●	○	○	○	○	○	○	○	○	○	○	○
5	0100	0	0	0	0	1	0	0	0	0	0	0	●	○	○	○	○	○	○	○	○	○	○	○
6	0101	0	0	0	0	0	1	0	0	0	0	0	●	○	○	○	○	○	○	○	○	○	○	○
7	0110	0	0	0	0	0	0	1	0	0	0	0	●	○	○	○	○	○	○	○	○	○	○	○
8	0111	0	0	0	0	0	0	0	1	0	0	0	●	○	○	○	○	○	○	○	○	○	○	○
9	1000	0	0	0	0	0	0	0	0	1	0	0	●	○	○	○	○	○	○	○	○	○	○	○
10	1001	0	0	0	0	0	0	0	0	0	1	0	●	○	○	○	○	○	○	○	○	○	○	○
11	1010	0	0	0	0	0	0	0	0	0	0	1	●	○	○	○	○	○	○	○	○	○	○	○
12	1011	0	0	0	0	0	0	0	0	0	0	0	●	○	○	○	○	○	○	○	○	○	○	○
13	1100	0	0	0	0	0	0	0	0	0	0	0	●	○	○	○	○	○	○	○	○	○	○	○

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3.  
FIG.  
E

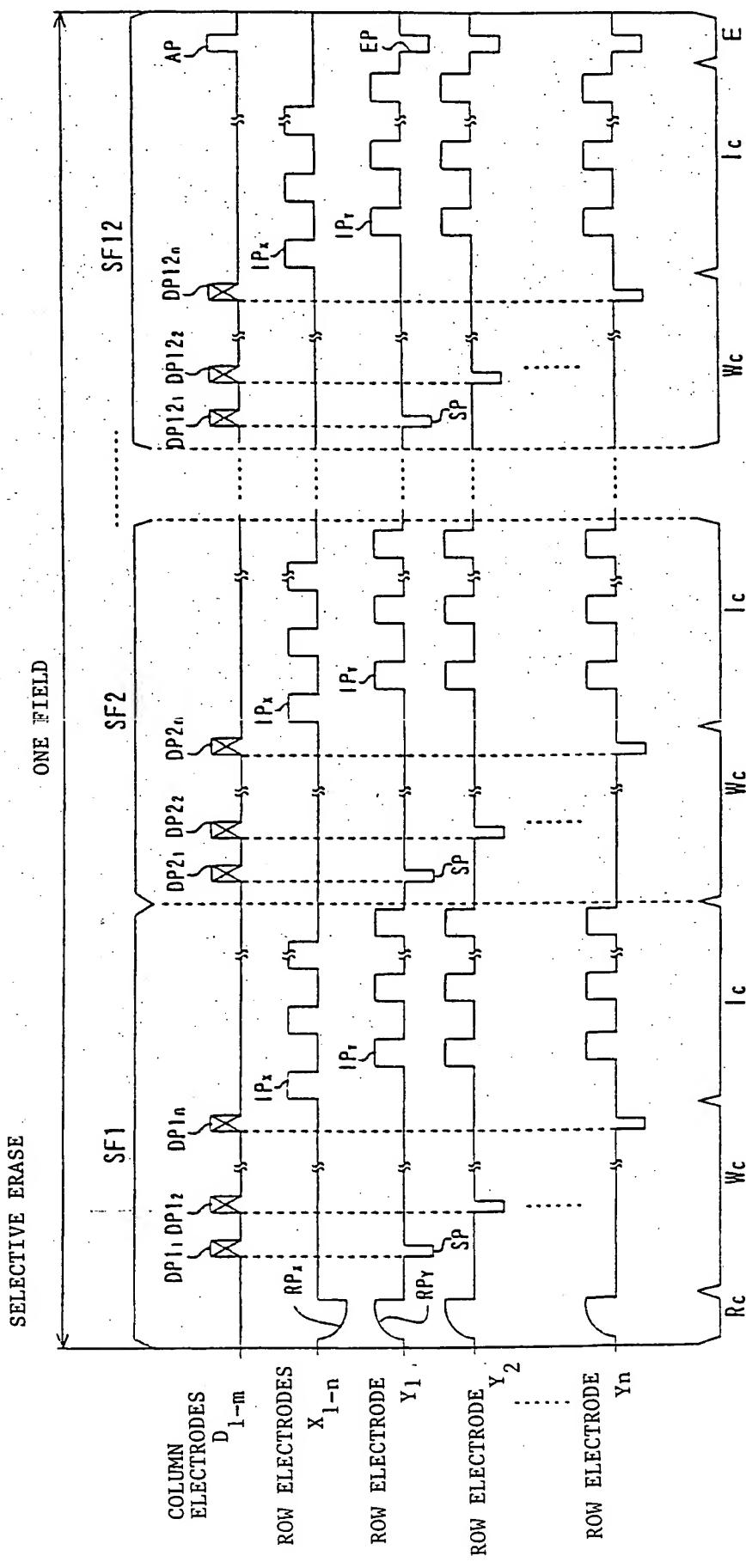


FIG. 4

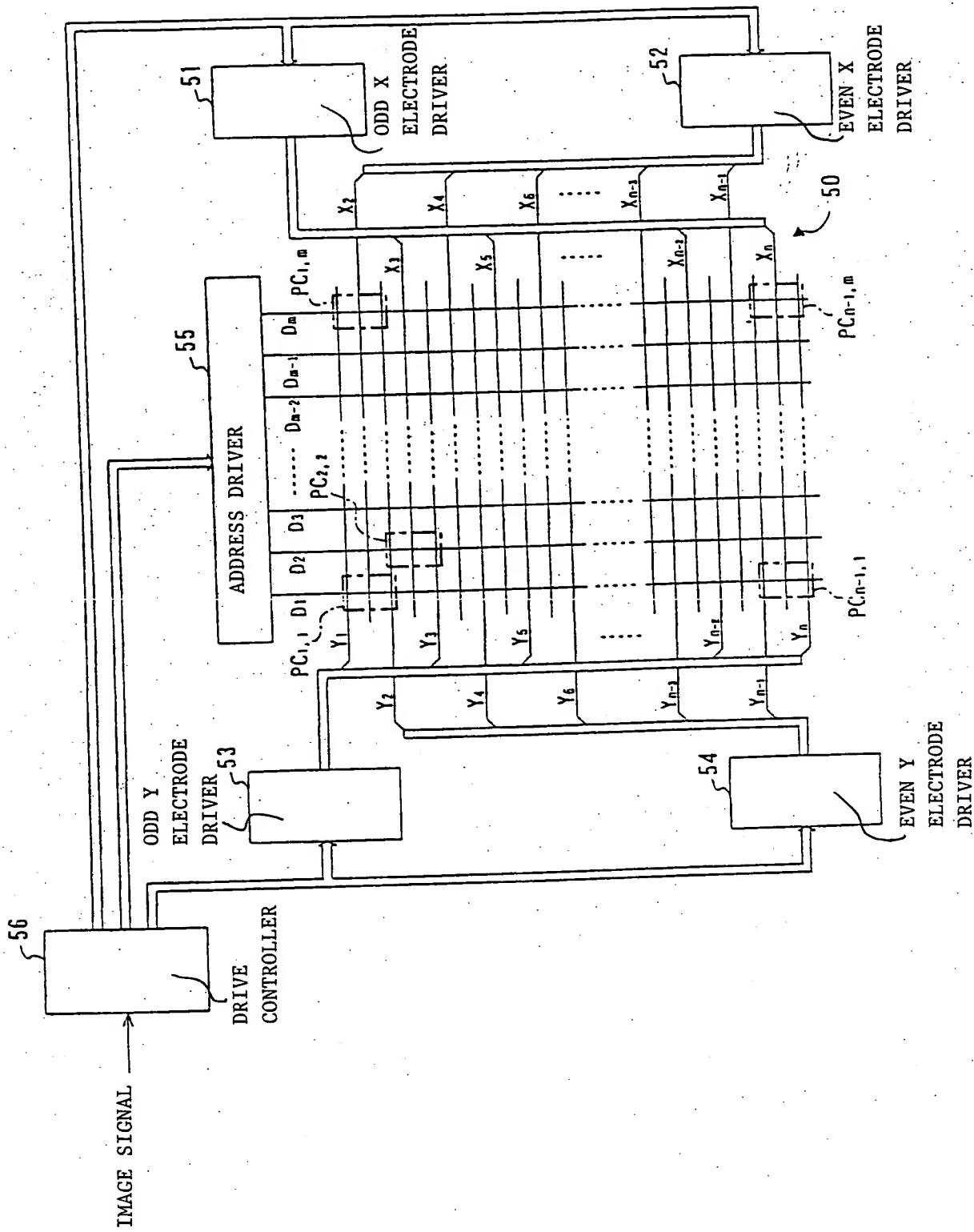
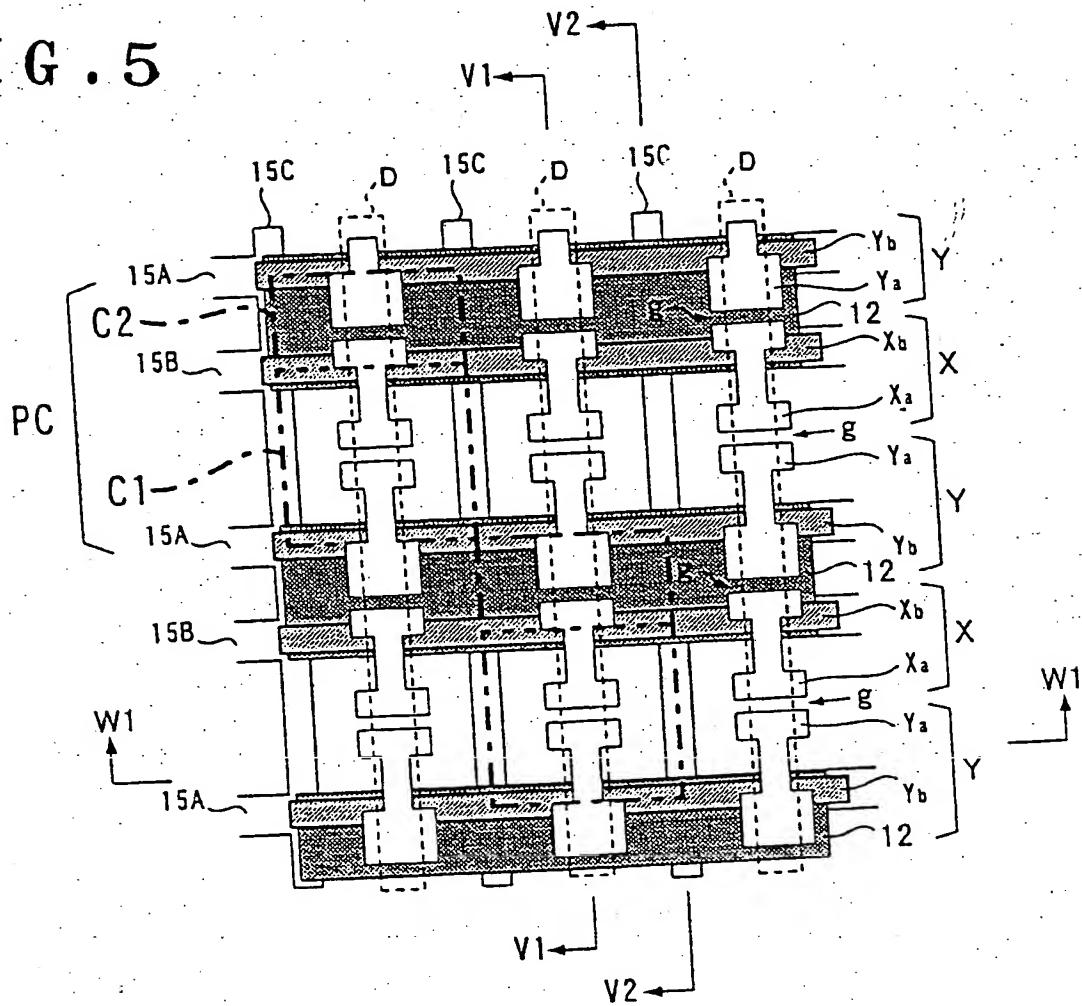


FIG. 5



# FIG. 6

V1-V1

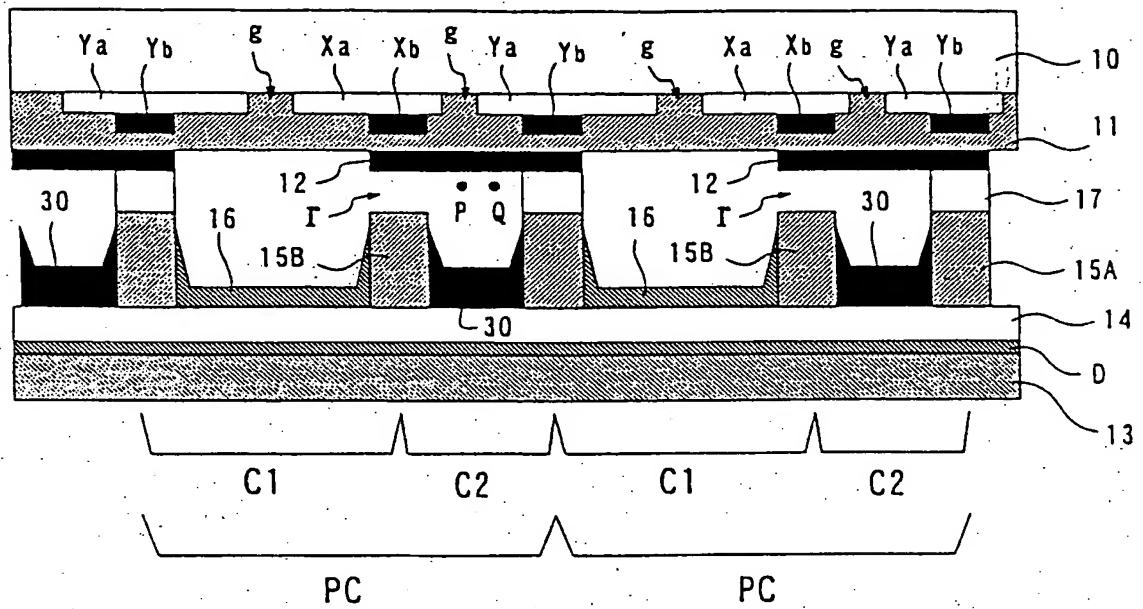
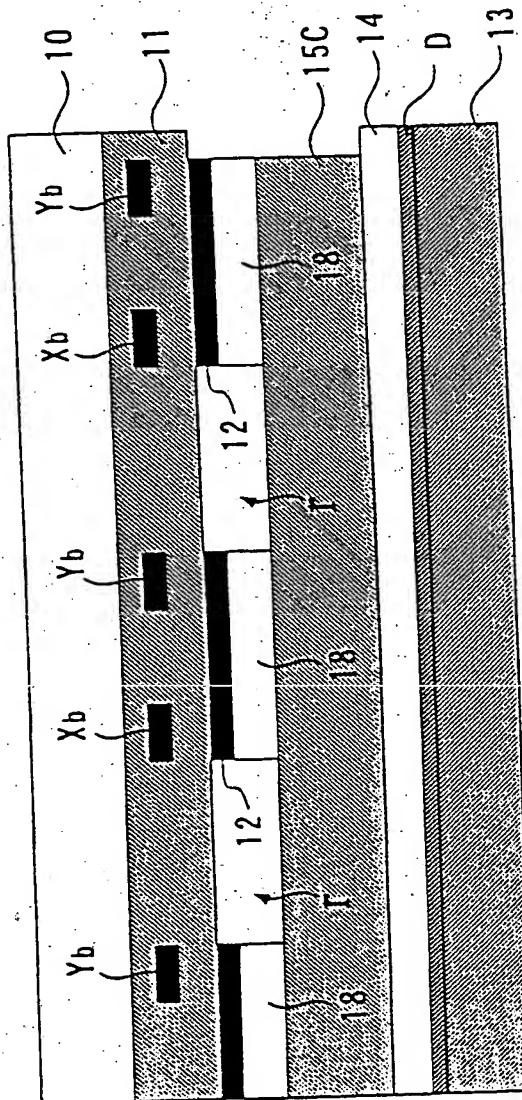
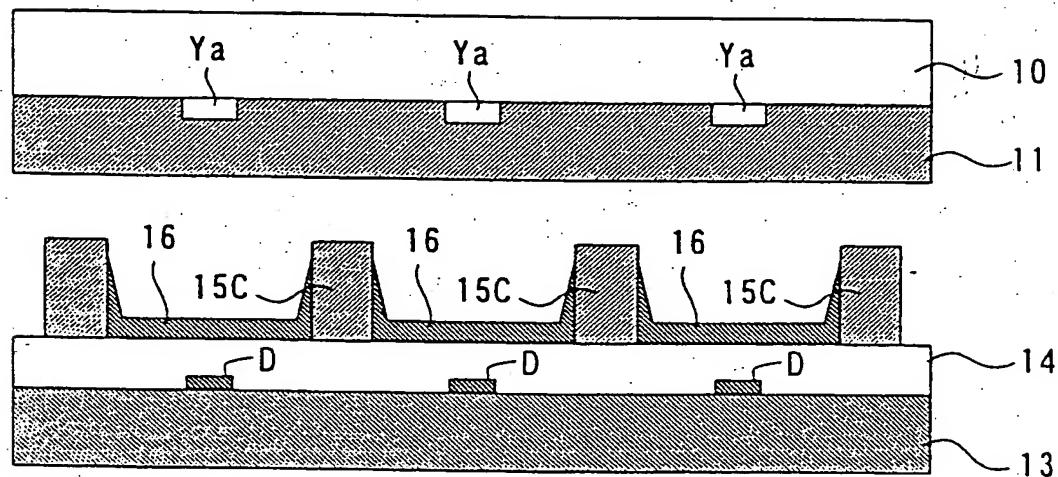


FIG. 7  
V2-V2



# FIG. 8

W1-W1



# FIG. 9

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GRADATION DRIVE	CONVERSION TABLE GD	LIGHT EMISSION PATTERN														
		SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF
PDS	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FIRST	0000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	◎														
SECOND	0001 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	◎														
THIRD	0010 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	◎														
FOURTH	0011 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	◎	◎													
FIFTH	0100 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	◎	◎	◎												
SIXTH	0101 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	◎	◎	◎	◎											
SEVENTH	0110 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0	◎	◎	◎	◎	◎										
EIGHTH	0111 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0	◎	◎	◎	◎	◎	◎									
NINTH	1000 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0	◎	◎	◎	◎	◎	◎	◎								
TENTH	1001 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0	◎	◎	◎	◎	◎	◎	◎	◎							
ELEVENTH	1010 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0	◎	◎	◎	◎	◎	◎	◎	◎	◎						
TWELFTH	1011 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎					
THIRTEENTH	1100 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎				
FOURTEENTH	1101 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎			
FIFTEENTH	1110 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎			
SIXTEENTH	1111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎			

\*: 0 OR 1

◎ : WRITING ADDRESS DISCHARGE + SUSUTAIN DISCHARGE  
 LIGHT EMISSION

# FIG. 10

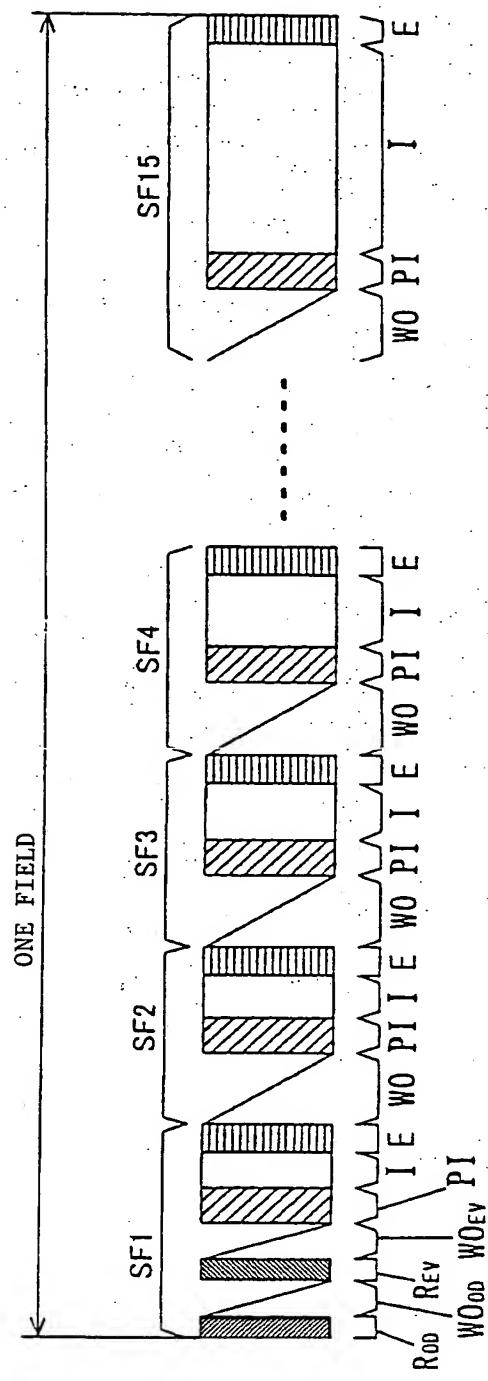
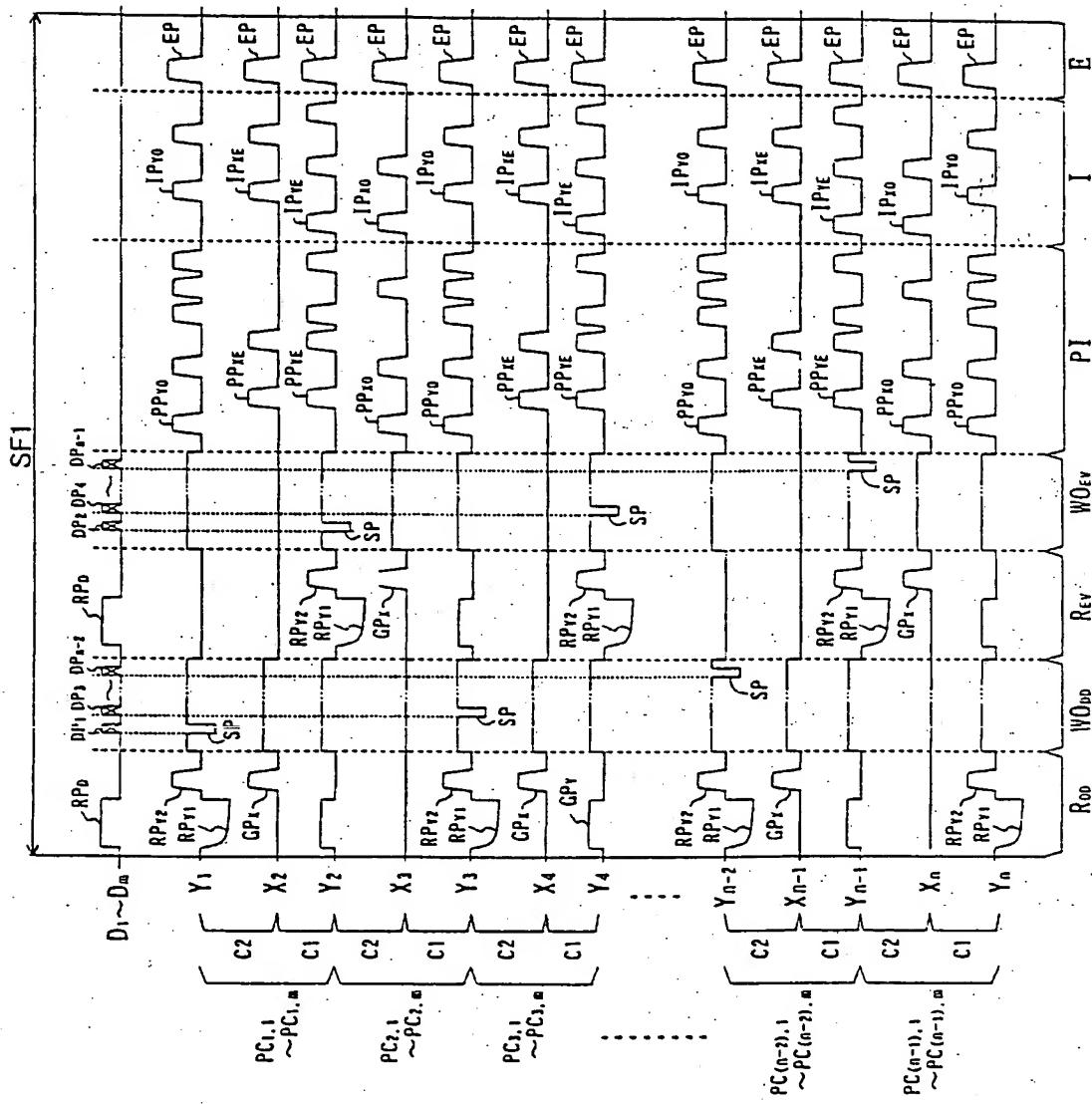
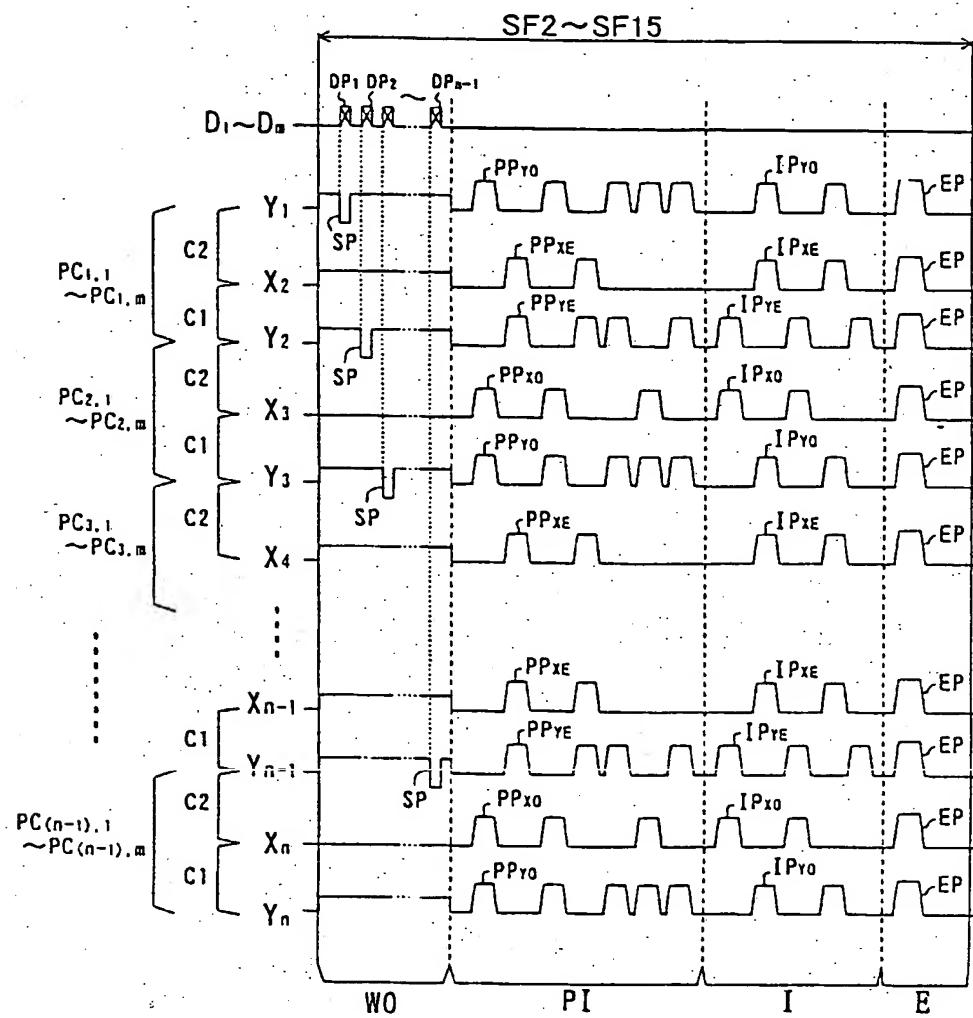


FIG. 11



# FIG. 12



# FIG. 13

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GRADATION OPERATION	CONVERSION TABLE										LIGHT EMISSION PATTERN																				
	PDS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FIRST	0000	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	●														
SECOND	0001	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	●														
THIRD	0010	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	●														
FOURTH	0011	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	●														
FIFTH	0100	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	●														
SIXTH	0101	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	●														
SEVENTH	0110	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	●														
EIGHTH	0111	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	●														
NINTH	1000	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	●														
TENTH	1001	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	●														
ELEVENTH	1010	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	●														
TWELFTH	1011	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	●														
THIRTEENTH	1100	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	●														
FOURTEENTH	1101	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	●														
FIFTEENTH	1110	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	●														
SIXTEENTH	1111	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	●														

●: ERASE ADDRESS      ○: SUSTAIN DISCHARGE  
 DISCHARGE      LIGHT EMISSION

FIG. 14

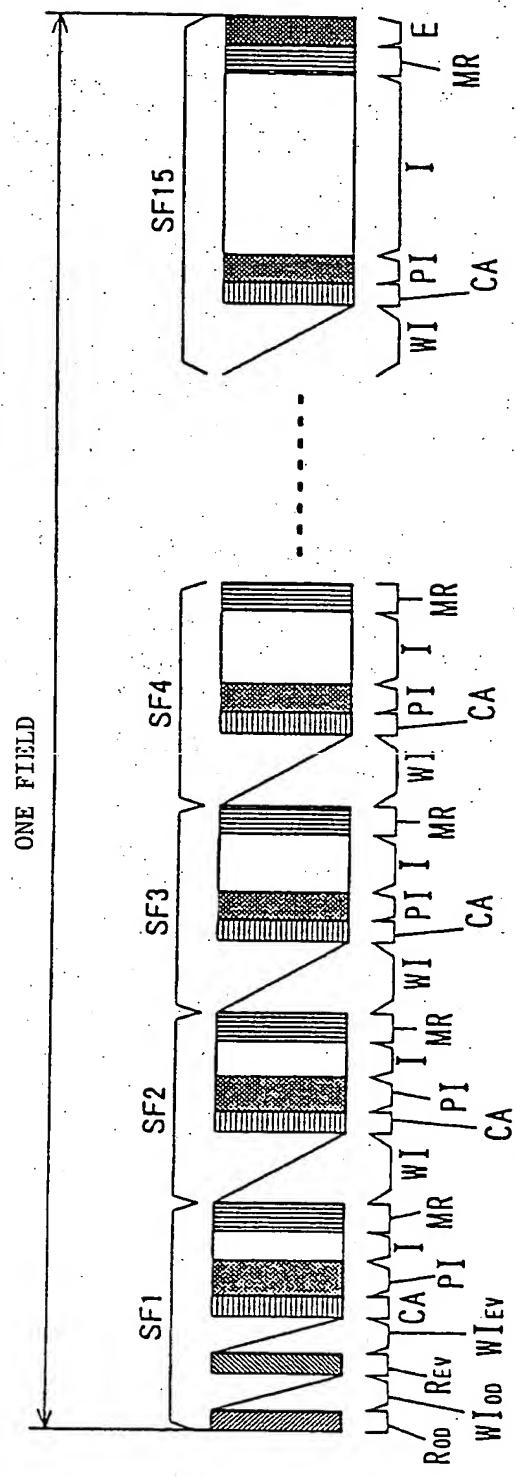


FIG. 15

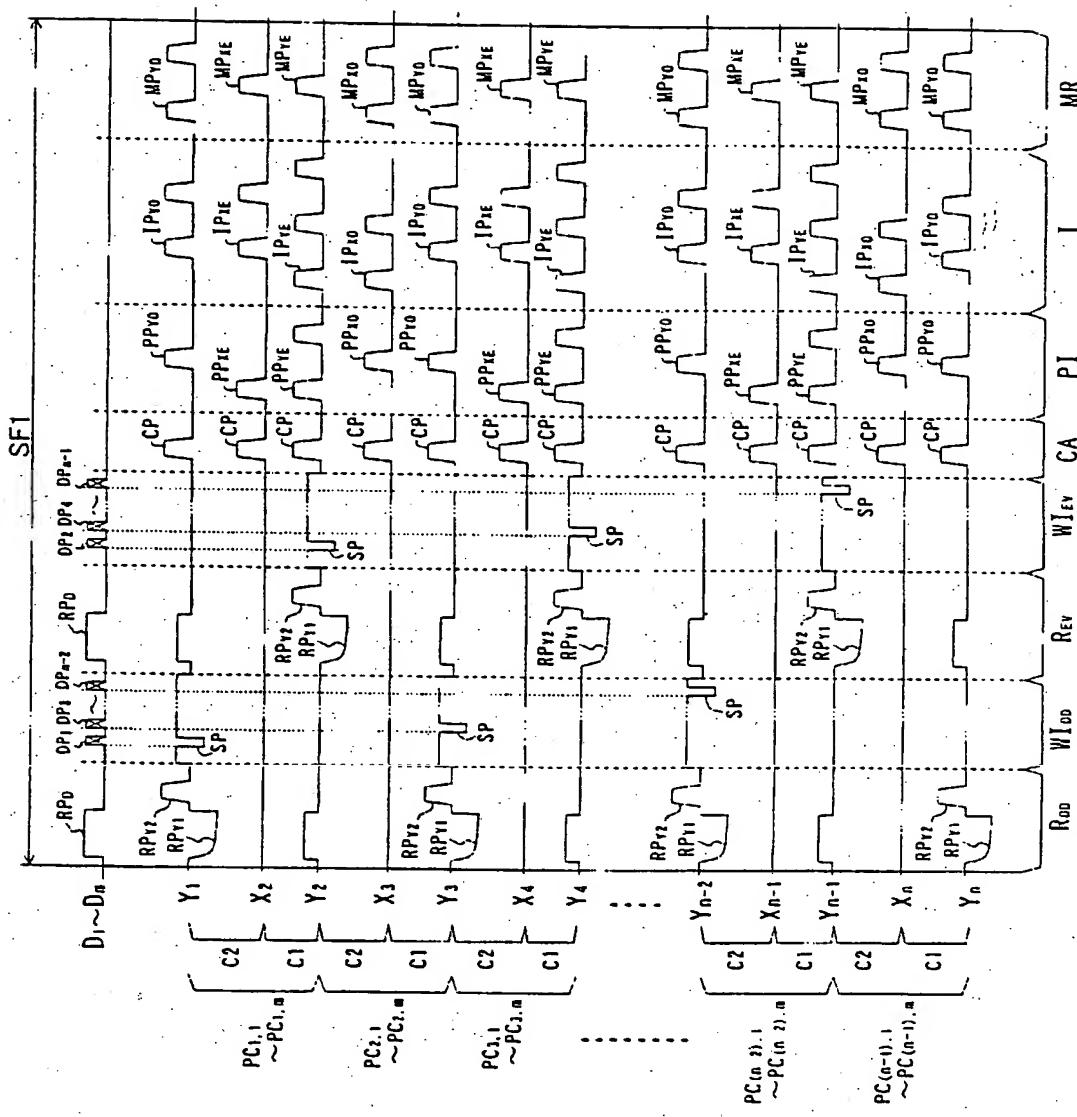


FIG. 16

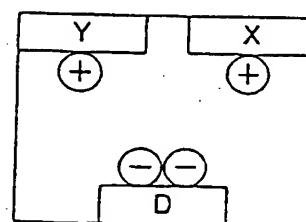
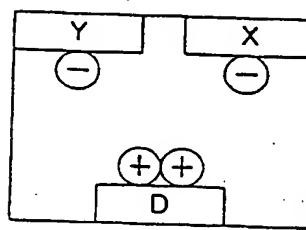
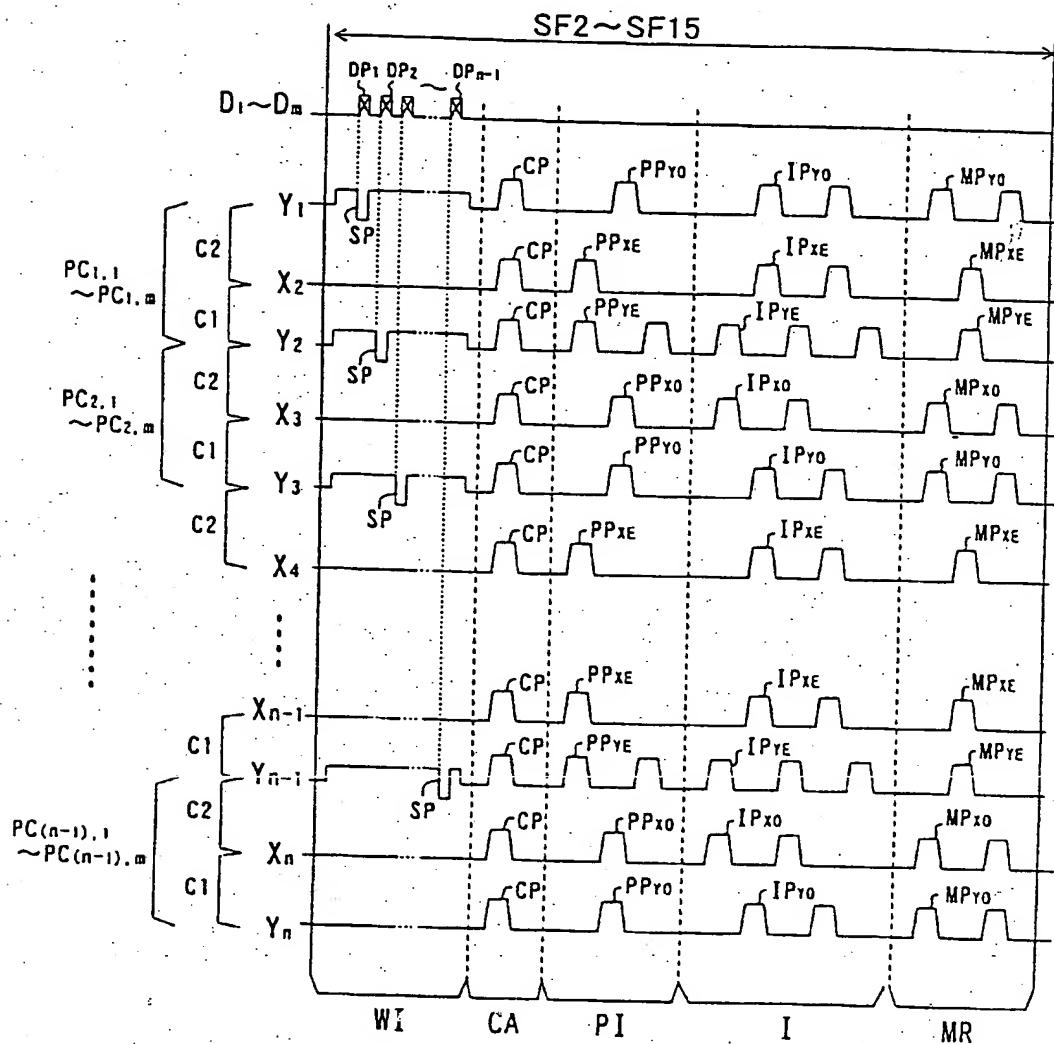


FIG. 17A

FIG. 17B